

# UNIVERSITY OF MISSOURI-COLUMBIA

## GENERAL INFORMATION

### About the Institution

- The University of Missouri was established in Columbia in 1839 as the first public university west of the Mississippi River. In 1870, the university was approved as a land-grant university under the Morrill Act of 1862. The University of Missouri-Columbia, with its 18 schools and colleges, is Missouri's selective, research university with a statewide mission at the professional and doctoral level. MU provides enhanced opportunities and challenges in the undergraduate areas of humanities, arts and science, and in selected professional fields, and its mission in research and doctoral education provides the basis for service to the people of the state via outreach programs.

Source: Undergraduate Catalog, University of Missouri-Columbia, 1999-2001

- Enrollment\*** **22,780** (17,698 undergraduates)

White	81.8%
African American	6.3%
American Indian	0.5%
Asian	2.5%
Hispanic	1.4%
Other	7.6%
Missouri residents	86.6% (undergraduates)
Male	47.9%
Female	52.1%

\*Fall 1998 Headcount

Source: Missouri Department of Higher Education (<http://www.mocbhe.gov/acadafrs/stats>)  
Tables 8.1, 8.2, 21.1 & 21.2

- Entrance Requirements**

Admission to the freshman class is based on a student's probability of success with MU coursework. Factors considered include the applicant's ACT score, class rank and high school core course work.

Source: Undergraduate Catalog, University of Missouri-Columbia, 1999-2001

- Average ACT Score<sup>1</sup> 1993 Freshmen Class\*** **24.8**

\*Fall 1993 Degree-seeking, ACT-Tested First-time Freshman, 1993-1994 Statistical Summary of Missouri Higher Education, Missouri Coordinating Board for Higher Education (Tables 1.1 & 1.2)

- Tuition & Fees, Typical Full-time Undergraduate Student\***

<u>Missouri Resident</u>	<u>Non-resident</u>
\$4,438.82	\$12,106.82

\*1998-99 academic year

Source: Missouri Department of Higher Education (<http://www.mocbhe.gov/acadafrs/stats>)  
Table 3.1

## About the Education Program

- Educator preparation is predicated upon three design principles. These principles state that the programs must 1) be organized around the problems of practice, 2) provide opportunities for reflection-in-action and reflection-about-action among novices and experts, and 3) include assessment of student performance in complex situations of practice, appropriate to the practitioner's level of training.

Additionally, the teacher preparation program is based on 13 principles and accompanying practices, which are the knowledge and performance outcome statements for graduates with the ultimate goal of students becoming effective, reflective, and inquiring teachers.

The program is divided into four phases:

- Phase I—Students are immersed into the discipline and culture of teaching and learning. Experiences are primarily dedicated to the learner and address areas including learning and development, instructional strategies, classroom and behavior management, assessment, diversity and technology.
- Phase II—Focus increasingly shifts to the students' chosen teaching discipline and the specific applications of Phase I skills to a particular subject and/or level. Additionally, students learn how to navigate the social and political climates of schools and to view the school as part of the community.
- Phase III—This is a 16-week student teaching internship with capstone experience.
- Phase IV—After a student graduates from MU, the "Induction Years" program is designed to support and further the learning of first- and second-year teachers.

The governance structure of the program includes an associate dean for academic programs whose office includes the director of teacher development programs. Additionally, there is an Undergraduate Teacher Development Committee comprised of faculty who provide direction and oversight.

*Source: University of Missouri-Columbia, June 1999*

- Enrollment in Undergraduate Professional Education Programs\* 1,133

White	92.5%
African American	4.0 %
American Indian	0.2%
Asian	1%
Hispanic	0.8%
Other	1.6%
Missouri residents	94.1%
Male	22.1%
Female	77.9%

*\*Fall 1998 Headcount (full-time students)*

*Source: University of Missouri-Columbia Office of Institute Research, May 1999*

- Education Program Entrance Requirements

Following are baseline criteria for admittance to Phase II of the Undergraduate Teacher Development Program\*:

- current enrollment in the College of Education
- 2.750 UM and overall GPA
- 22 on ACT or 1010 on the Recentered SAT
- 235 on each subtest of the C-BASE
- English 20 and Math 10 with a 2.000\*\* or better

- satisfactory completion of any selected additional course in the certification major
- possession of characteristics associated with effective performance in a professional role at the level(s) and in the major(s) selected
- approved degree plan (approval by faculty in certification area)
- demonstration of competence of Phase I learning markers (as documented by Inquiry into Learning instructors)

*\*In limited enrollment areas, additional evidence may be required of applicants.*

*\*\*A straight C is considered a 2.000; C- is equivalent to 1.700.*

*Source: Undergraduate Catalog, University of Missouri-Columbia, 1999-2001*

## • Information about Education Program Completers<sup>2</sup>

### Recommended for initial Missouri certification in 1997

**314**

#### Age

Under 25	74.52%
25-34	18.79%
35-44	5.41%
45-54	1.27%
55 and over	0%

*Source: Missouri Department of Elementary and Secondary Education*

### Average ACT score<sup>3</sup> (for initial Missouri certification in 1997)

**24.1**

*Source: ACT Inc. Research Services (scores since 1989 only)*

### C-BASE scores<sup>4</sup>

#### Passed all five subjects *first time*

Took	Passed all	English			Writing			Math			Science			Social St.		
Test	Subjects	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn
243	226	243	441	344	236	432	343	251	479	367	240	458	343	237	463	346

#### Passed all five subjects, *one or more attempts* through December 1997

Took	Passed all	English (314)*			Writing (318)*			Math (319)*			Science (308)*			Social St. (309)*		
Test	Subjects	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn	Min	Max	Medn
251	242	236	441	340	236	432	338	251	479	366	239	458	339	237	463	342

*\*state median score*

*Source: Assessment Resource Center*

### Employed in Missouri public schools<sup>5</sup> in 1997-98\*

**202 (64%)**

Missouri public school districts employing University of Missouri-Columbia  
1997 program completers 101

Major employers of University of Missouri-Columbia 1997 program completers

Fulton 58	5	Rockwood R-VI	6
Jefferson City	5	Wentzville R-IV	7
Moberly	5	Columbia 93	33

*\*Does not include individuals employed in public schools in another state, employed in private schools in Missouri or another state, or who received their teaching credentials but were employed in another field or unemployed*

*Source: Missouri Department of Elementary and Secondary Education*

## RESOURCES

### Institution

- Full-time Faculty at UMC 2,421

Source: 1997-1998 Statistical of Summary of Missouri Higher Education; Missouri Coordinating Board for Higher Education  
Table 37.1

### Education Program

- Full-time Education Program Faculty\* 58

White	53
African American	2
American Indian	0
Asian	0
Hispanic	3
Other	0
Male	23
Female	35
Doctorate Degree	54
Missouri Teaching Certificate	not yet available
National Board Certification	0

- Adjunct Education Program Faculty 36
  - Full-time with the institution, part-time in education 7
  - Part-time in education 29

\*The college also has approximately 50 additional full-time faculty in support of programs for non-school professionals, e.g., counseling psychology, higher and adult education, educational psychology, information sciences.  
Source: University of Missouri-Columbia, Office of Institute Research, May 1999

## EDUCATION PROCESSES

### Institution

- Student-to-Faculty Ratio\* 18.8:1
- Average Class Size\* not yet available

\*undergraduate and graduate program  
Source: University of Missouri-Columbia, Office of Institute Research, May 1999

### Education Program

- Student-to-Faculty Ratio
  - 19.5:1 (full-time faculty)
  - 12.1:1 (full-time and adjunct faculty)
- Average Class Size 20-25

Source: University of Missouri-Columbia Office of Institute Research, May 1999

- **Practical Experience Requirements for Education Majors**

Every professional education course has an accompanying field experience. This begins in the first semester of the sophomore year and occurs every semester of the program until graduation. The final semester of the program is a 16-week student teaching internship.

*Source: University of Missouri-Columbia, May 1999*

- **Developmental School**

The College of Education is part of the MU Partnership for Educational Renewal with 20 public school districts, the College of Arts and Science, the Department of Elementary and Secondary Education, and the Learning Exchange. The executive director of the partnership facilitates a variety of programs that connect public schools to the College of Education in ways that benefit the ongoing activities of both. Additionally, all College of Education field experiences are facilitated through the partnership.

*Source: University of Missouri-Columbia Office of Institute Research, May 1999*

- **Co-curricular Programs**

Co-curricular activities in the College of Education include the Undergraduate Education Student Council, Education Ambassadors, Education Honor Society, and numerous student chapters of professional organizations.

*Source: University of Missouri-Columbia Office of Institute Research, May 1999*

## PERFORMANCE

- Missouri certificates\* issued in 1997 to UMC education program completers, by subject area and grade level

Subject Area	Grade Level	Recommended for Certification
Agricultural Education	7-12	12
Art	K-12	12
Biology	7-12	13
Business Education Except Shorthand	7-12	12
Chemistry	7-12	4
Early Child Special	P-K	1
Early Childhood Education	Pk-3	36
Earth Science	7-12	2
Elementary Education	1-8	92
English	7-12	28
English	7-9	2
French	7-12	2
French	K-12	6
French	K-9	3
General Science	4-8	3
General Science	7-12	4
General Science	7-9	2
German	K-12	1
Industrial Arts	7-12	1
Industrial Technology	7-12	2
Instrumental Music	7-12	1
Instrumental Music	K-12	14
Language Arts	4-8	3
Mathematics	4-8	4
Mathematics	7-12	12

Mathematics	7-9	2
Mild/Moderate Behavior Disorder	K-12	17
Mild/Moderate Learning Disability	K-12	20
Mild/Moderate Mental Handicapped	K-12	17
Physical Education	7-12	1
Social Science	9-12	1
Social Studies	4-8	34
Social Studies	7-12	40
Social Studies	7-9	5
Spanish	7-12	3
Spanish	K-12	10
Spanish	K-9	5
Speech and Language	K-12	4
Speech and Theatre	7-12	4
Speech and Theatre	7-9	1
Unified Science: Biology	9-12	2
Vocational and Family and Consumer Sciences	7-12	4
Vocal Music	K-12	7
Vocational Home Economics	7-12	1
Total		450

\*Number of certificates issued, not number of graduates

Source: Missouri Department of Elementary and Secondary Education

- Performance of Program Completers on National Teachers Exam\*

Test Window 10-1-96 to 9-30-97		Qualifying	Total	Mean	Number	Pass Rate
Subject Area	Score	Score	Group		Passing	
Agriculture			19	604	19	100.0%
Art Education	500		11	675	11	100.0%
Biology	480		14	729	14	100.0%
Business Education	550		9	681	9	100.0%
Chemistry	440		3	583	3	100.0%
Early Childhood Education	500		38	694	38	100.0%
Earth/Space Science	380		1	640	1	100.0%
Education in the Elementary School	520		89	669	89	100.0%
English Language and Literature	500		24	620	24	100.0%
French	500		4	643	4	100.0%
Home Economics Education	560		5	670	5	100.0%
Marketing Education	500		1	800	1	100.0%
Mathematics	550		14	676	14	100.0%
Music Education	510		18	681	18	100.0%
Physical Education	530		1	590	1	100.0%
Professional Knowledge	638		21	669	21	100.0%
Social Studies	500		32	620	32	100.0%
Spanish	490		7	570	6	85.7%
Special Education	490		18	676	18	100.0%
Speech-Language Pathology	560		10	722	10	100.0%
Technology Education	570		2	650	2	100.0%
Total			341		340	99.7%

\*Represents number of individuals who took the NTE during the test window but may not include all those recommended for certification

Source: Educational Testing Service

- Follow-up on UMC Program Completers

Education program completers who received initial Missouri certification in 1992

**294**

*Employed in Missouri public schools in*

1993-94	139 (47%)
1994-95	146 (50%)
1995-96	128 (44%)
1996-97	126 (43%)
1997-98	121 (41%)

*Employed in Missouri public schools in 1997-98, with master's degree*

34 (12%)

*Employed in the same Missouri public school district in*

1993-94	139 (47%)
1993-95	119 (40%)
1993-96	88 (30%)
1993-97	72 (24%)
1993-98	60 (20%)

*Certification Status as of Sept. 1, 1998*

Holding Valid PC I	24 (8%)
Holding Valid PC II	139 (47%)
Lapsed <sup>6</sup>	131 (45%)

Source: Missouri Department of Elementary and Secondary Education

Major Employers<sup>7</sup>

Missouri school districts employing UMC graduates\* **444**

The University of Missouri-Columbia had 8,709 graduates teaching in Missouri public schools during the 1997-98 school year.

Columbia 93 employed 12.72% (1,108) of the 8,709 graduates teaching in Missouri public schools during the 1997-98 school year.

School districts where UMC graduates make up 25-49 percent of faculty

Blackwater R-II	South Callaway R-II	Holliday C-2
Northeast Randolph Co. R-IV	Bowling Green R-I	North Callaway Co. R-I
Wellington Napoleon R-IX	Paris R-II	Gasconade County R-I
Moniteau County R-I	Malta Bend R-V	Wellsville Middletown R-I
Southwest Livingston Co. R-I	Cole County R-II	New Haven
Tina Avalon R-II	New Bloomfield R-III	Madison C-3
Shelby County R-IV	Fayette R-III	Van Far R-I
Salisbury R-IV	Prairie Home R-V	New Franklin R-I
Silex R-I	Howard County R-II	Pilot Grove C-4
Middle Grove C-1	Pettis County R-XII	Fulton 58
Moniteau County R-VI	Montgomery County R-II	Community R-VI
Ralls County R-II	Jefferson City	Boonville R-I
Carrollton R-VII	Westran R-I	Cooper County R-IV
Higbee R-VIII	Moberly	

School districts where UMC graduates make up 50-74 percent of faculty

Harrisburg R-VIII	Centralia R-VI	Mexico 59
Sturgeon R-V	Southern Boone R-1	

School districts where UMC graduates make up 75 percent or more of faculty

Boone County R-IV	Columbia 93
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*\*Includes all graduates of UMC teaching in the district, not just those who completed the education program*  
*Source: Missouri Department of Elementary and Secondary Education*